

HONEYWELL Sensors, Thermostats, Encoders, & Trimmers Honeywell

Sensing and Control

HIH SERIES PRODUCTS THERMAL SENSORS

Most catalog listings contain a capacitive sensing die set in thermoset polymers that interact with platinum electrodes. On-chip signal conditioning ensures linear voltage versus IRH. Absorption-based humidity sensors provide both temperature and IRH outputs. Laser trimmed for stable, low drift performance. Printed circuit board or surface mount terminations provide application flexibility. Chemically resistant packages accommodate harsh environments. A low cost version without signal conditioning is also available.

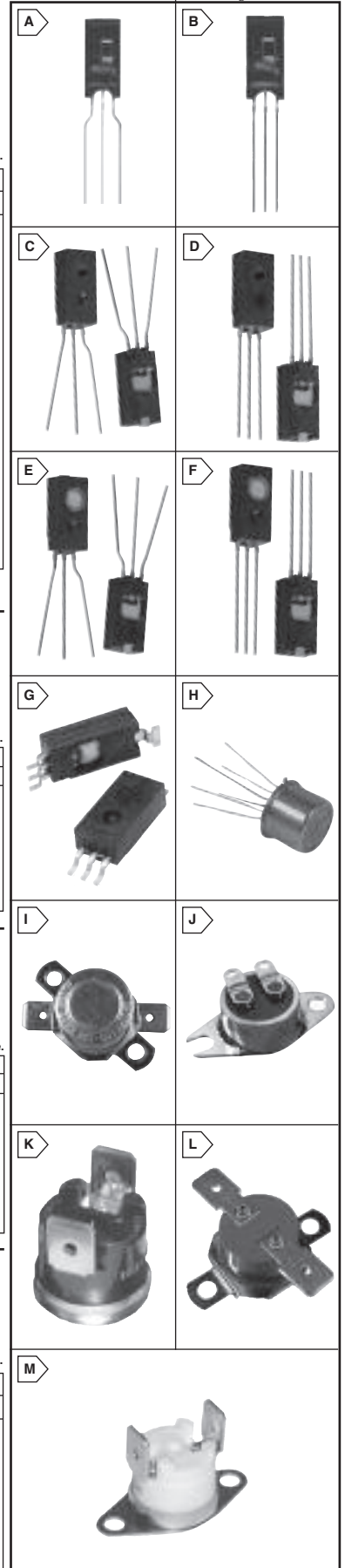


RoHS Compliant

For quantities of 100 and up, call for quote.

Humidity Sensors

MOUSER STOCK NO.	Honeywell Part No.	Fig.	Package Type	Operating Temp. Range	Operating Humidity Range	Interchangeability	Price Each		
							1	10	25
785-HIH-4000-001	HIH-4000-001	A	2.54mm SIP	-40°C to 85°C	0-100%RH	0-59% RH ±5%	18.50	15.70	12.96
785-HIH-4000-002	HIH-4000-002	B	1.27mm SIP	-40°C to 85°C	0-100%RH	0-59% RH ±5%	18.50	15.70	12.96
785-HIH-4000-003	HIH-4000-003	A	2.54mm SIP	-40°C to 85°C	0-100%RH	0-59% RH ±5%	23.94	19.03	17.06
785-HIH-4010-001	HIH-4010-001	A	2.54mm SIP	-40°C to 85°C	0-100%RH	0-59% RH ±5%	16.22	14.07	13.34
785-HIH-4010-002	HIH-4010-002	B	1.27mm SIP	-40°C to 85°C	0-100%RH	0-59% RH ±5%	16.22	14.07	13.34
785-HIH-4010-003	HIH-4010-003	A	2.54mm SIP	-40°C to 85°C	0-100%RH	0-59% RH ±5%	22.65	19.41	15.50
785-HIH-4020-001	HIH-4020-001	C	2.54mm SIP	-40°C to 85°C	0-100%RH	0-59% RH ±5%	23.15	19.97	17.33
785-HIH-4020-002	HIH-4020-002	D	1.27mm SIP	-40°C to 85°C	0-100%RH	0-59% RH ±5%	23.15	19.97	17.33
785-HIH-4020-003	HIH-4020-003	C	2.54mm SIP	-40°C to 85°C	0-100%RH	0-59% RH ±5%	28.90	22.53	19.55
785-HIH-4021-001	HIH-4021-001	E	2.54mm SIP	-40°C to 85°C	0-100%RH	0-59% RH ±5%	29.69	23.15	19.06
785-HIH-4021-002	HIH-4021-002	F	1.27mm SIP	-40°C to 85°C	0-100%RH	0-59% RH ±5%	29.69	23.15	19.06
785-HIH-4021-003	HIH-4021-003	E	2.54mm SIP	-40°C to 85°C	0-100%RH	0-59% RH ±5%	31.16	24.30	21.09
785-HIH-4030-001	HIH-4030-001	G	SMT	-40°C to 85°C	0-100%RH	0-59% RH ±5%	13.42	10.27	9.70
785-HIH-4030-003	HIH-4030-003	G	SMT	-40°C to 85°C	0-100%RH	0-59% RH ±5%	15.21	12.61	11.25
785-HIH-4031-001	HIH-4031-001	G	SMT	-40°C to 85°C	0-100%RH	0-59% RH ±5%	15.77	12.88	11.45
785-HIH-4031-003	HIH-4031-003	G	SMT	-40°C to 85°C	0-100%RH	0-59% RH ±5%	16.50	15.10	14.02
785-HIH-4602-A	HIH-4602-A	H	TO-5	-40°C to 85°C	0-100%RH	0-59% RH ±5%	105.15	78.86	68.43
785-HIH-4602-C	HIH-4602-C	H	TO-5	-40°C to 85°C	0-100%RH	0-59% RH ±5%	58.93	48.81	44.89
785-HIH-4602-L	HIH-4602-L	H	TO-39	-40°C to 85°C	0-100%RH	0-59% RH ±5%	40.16	34.13	30.00
785-HIH-5030-001	HIH-5030-001	G	SMT	-40°C to 85°C	0-100%RH	2% RH	11.01	8.05	7.54
785-HIH-5031-001	HIH-5031-001	G	SMT	-40°C to 85°C	0-100%RH	2% RH	10.14	9.42	8.73



3455RC REDI-TEMP SERIES CERAMIC AUTOMATIC RESET THERMOSTATS

Features:

- Cost effective
- High temperature
- Amperage: 15 A/10A resistive max.
- Operating Temperature Range: 0°C to 260°C (32°F to 500°F)
- Rivet sleeve construction
- High current
- Voltage-120 Vac/240 Vac
- High profile

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Honeywell Part No.	Fig.	Value (Ω)	Tolerance	Shaft Location	Price Each		
						1	10	50
785-3455RC01000228	3455RC 01000228	I	Opens	62.8C (145F)	46.1C (115F)	26.69	26.03	25.87
785-3455RC01000230	3455RC 01000230	I	Opens	73.9C (165F)	57.2C (135F)	26.69	26.12	25.45
785-3455RC01000232	3455RC 01000232	I	Opens	85.0C (185F)	68.3C (155F)	26.69	26.03	25.87
785-3455RC01000234	3455RC 01000234	I	Opens	96.1C (205F)	78.9C (174F)	38.97	37.83	32.78
785-3455RC01000235	3455RC 01000235	I	Opens	101.7C (215F)	85.0C (185F)	30.21	29.54	29.02
785-3455RC01000237	3455RC 01000237	I	Opens	112.8C (235F)	96.1C (205F)	30.21	29.54	29.02
785-3455RC01000241	3455RC 01000241	I	Opens	146.1C (295F)	129.4C (265F)	38.97	37.83	32.78
785-3455RC01000242	3455RC 01000242	I	Opens	157.2C (315F)	135.0C (275F)	38.97	37.83	36.76

3100 SERIES HERMETIC THERMOSTATS

Features:

- Hermetically sealed
- Tight differentials
- Amperage: 3 A resistive max.
- Operating Temperature Range: 29°C to 260°C (-20°F to 500°F)
- Tight tolerances
- Voltage-120 Vac



RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Honeywell Part No.	Fig.	Function	Open Temp	Close Temp	Price Each		
						1	10	50
785-3100U00031433	3100U 00031433	J	Opens	15.6C (60F)	4.4C (40F)	63.83	58.03	52.96
785-3100U00031456	3100U 00031456	J	Closes	15.6C (60F)	26.7C (80F)	49.70	43.08	42.54
785-3100U00031435	3100U 00031435	J	Opens	26.7C (80F)	15.6C (60F)	50.39	45.81	38.76
785-3100U00031457	3100U 00031457	J	Closes	26.7C (80F)	37.8C (100F)	49.69	43.08	42.35
785-3100U00031437	3100U 00031437	J	Opens	37.8C (100F)	26.7C (80F)	49.70	43.08	42.54
785-3100U00031440	3100U 00031440	J	Opens	54.4C (130F)	43.3C (110F)	49.70	43.08	42.54
785-3100U00031444	3100U 00031444	J	Opens	76.7C (170F)	65.6C (150F)	45.21	43.16	42.15
785-3100U00031448	3100U 00031448	J	Opens	98.9C (210F)	85.0C (185F)	49.70	43.08	42.54
785-3100U00031452	3100U 00031452	J	Opens	121.1C (250F)	107.2C (225F)	45.21	43.16	42.15

6655 SERIES ON-SURFACE TEMPERATURE SENSORS

The 6655 Series On-Surface Temperature Sensors are low-cost, thermistor-based temperature sensors that use Honeywell's compact, low-profile, 12.70 mm [0.5 in] thermostat package. This series is designed to offer temperature measurements with enhanced response and accuracy on most flat surfaces and pipes in non-condensing applications.



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MOUSER STOCK NO.	Honeywell Part No.	Fig.	Thermistor Type	Resistance (Ω)	Tolerance	R-T Curve	Price Each		
							1	10	100
785-6655-90030004	6655-90030004	K	NTC	12,000	±7.6%	12	6.35	5.84	5.37
785-6655-90980004	6655-90980004	L	NTC	12,000	±5.0%	12	6.57	6.04	5.56
785-6655-90980005	6655-90980005	L	NTC	10,000	±10.0%	16	6.68	6.15	5.65
785-6655-90980006	6655-90980006	L	NTC	10,000	±10.0%	16	6.32	5.81	5.35
785-6655-91000001	6655-91000001	L	NTC	10,000	±10.0%	16	6.68	6.15	5.65
785-6655-94280004	6655-94280004	L	NTC	10,000	±10.0%	16	6.35	5.84	5.37
785-6655-97100901	6655-97100901	K	NTC	10,000	±10.0%	16	6.69	6.15	5.66
785-6655-99580003	6655-99580003	M	NTC	10,000	±10.0%	16	6.96	6.40	5.89
785-6655-99600003	6655-99600003	L	NTC	10,000	±10.0%	16	6.31	5.81	5.34
785-6655RP-90030007	6655RP-90030007	K	NTC	10,000	±10.0%	16	7.09	6.52	6.00